

Grade K Science

Science CCRS STANDARDS and ALABAMA COS

CCRS Standard	Standard ID	Disciplinary Core Idea	Teacher Vocabulary	Knowledge	Skills	Understanding	ALEX Resources
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1. Investigate the resulting motion of objects when forces of different strengths and directions act upon them (e.g., object being pushed, object being pulled, two objects colliding).	K.MS.1	Motion and Stability: Forces and Interactions					
2. Use observations and data from investigations to determine if a design solution (e.g., designing a ramp to increase the speed of an object in order to move a stationary object) solves the problem of using force to change the speed or direction of an object.*	K.MS.2	Motion and Stability: Forces and Interactions					
3. Distinguish between living and nonliving things and verify what living things need to survive (e.g., animals needing food, water, and air; plants needing nutrients, water, sunlight, and air).	K.ECO.3	Ecosystems: Interactions, Energy, and Dynamics					
4. Gather evidence to support how plants and animals provide for their needs by altering their environment (e.g., tree roots breaking a sidewalk to provide space, red fox burrowing to create a den to raise young, humans growing gardens for food and building roads for transportation).	K.ECO.4	Ecosystems: Interactions, Energy, and Dynamics					
5. Construct a model of a natural habitat (e.g., terrarium, ant farm, diorama) conducive to meeting the needs of plants and animals native to Alabama.	K.ECO.5	Ecosystems: Interactions, Energy, and Dynamics					
6. Identify and plan possible solutions (e.g., reducing, reusing, recycling) to lessen the human impact on the local environment.*	K.ECO.6	Ecosystems: Interactions, Energy, and Dynamics					
7. Observe and describe the effects of sunlight on Earth's surface (e.g., heat from the sun causing evaporation of water or increased temperature of soil, rocks, sand, and water).	K.ES.7	Earth's Systems					
8. Design and construct a device (e.g., hat, canopy, umbrella, tent) to reduce the effects of sunlight.*	K.ES.8	Earth's Systems					
9. Observe, record, and share findings of local weather patterns over a period of time (e.g., increase in daily temperature from morning to afternoon, typical rain and storm patterns from season to season).	K.ES.9	Earth's Systems					
10. Ask questions to obtain information about the purpose of weather forecasts in planning for, preparing for, and responding to severe weather.*	K.EHA.10	Earth and Human Activity					